



# SONACOAT III

The Sonacoat III is compact and lightweight with multifunctional menu driven performance for fast, practical and precise Coating Thickness Measurement with separate exchangeable probes.

It can be used for all types of varnish, paint and electroplated coatings on iron and steel as well as varnish, paint and anodizing coatings on iron/steel and non-ferrous metals and on austenitic stainless steels.

The Sonacoat III is suitable both for the laboratory and for use in harsh field conditions. The IP52 rating gives protection against dust and dripping water. Never has gauge operation been so clear and so straightforward!

Data processing is straightforward and fast. No cables are required – data can be transferred to a notebook or other equipment via an infrared interface. There is no worry about connector damage, no time wasted in attaching cables.

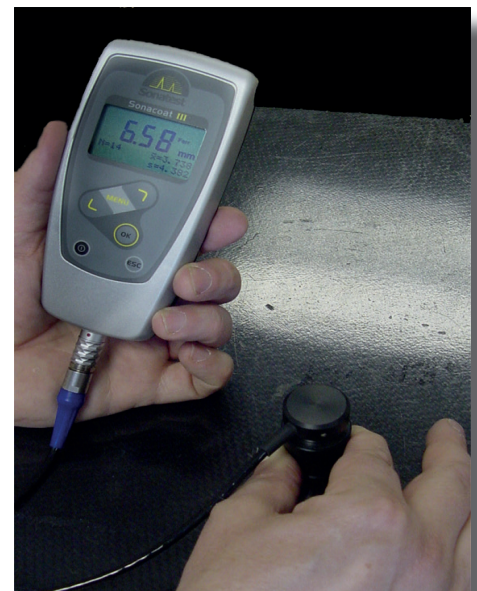


## Wide range of probes for universal and special measurement tasks

Three models of the Sonacoat III are available: **Sonacoat III FN 1.5** includes a general purpose, non detachable probe for use on both ferrous and non-ferrous substrates.

**Sonacoat III S** uses detachable probes. A range of probes are available to cover a wide variety of requirements

**Sonacoat III Pro** The Pro has enhanced data logging (up to 10,000 readings) and statistical analysis.



**Simplicity | Capability | Reliability**

# Specifications

Measuring principle:	Magnetic induction method (F)
Display:	4-digit : digit height 10mm / 400 mils, selectable between $\mu\text{m}/\text{mils}$ , back-light.
Confirmation of reading:	Audible 'beep'
Calibration:	Factory calibration, zero calibration, foil calibration Offset - function: add or subtract of a constant value
Scan Mode:	Gives continuous readings for variable coating measurements.
Memory:	Max. 200 readings
Statistics:	Number of readings, mean value, standard deviation, maxi,u, and minimum reading
Pro:	10000 readings in 250 files, with enhanced statistical analysis.
Data Output:	Infrared Interface.
Operating temperature:	0°C to 50°C / 32°F to 122°F
Surface temperature:	-15°C to 60°C / 5°F to 140°F (standard) -15°C to 150°C / 5°F to 302°C (with optional foot)
Power Supply:	2 x AA 1.5V batteries
Housing/Keypad:	Protection class IP52 (protection against dust and dripping water)
Dimensions: Gauge	137mm x 66mm x 23mm / 5.4" x 2.6" x 0.9"
Weight (incl. batteries):	225g / 8ozs (gauge + FN 1.5 probe)
Standards	DIN EN ISO, ASTM, BS

## Sonacoat III Kit

Gauge  
Transducer(s), zero plate(s) and calibration foils  
Rugged Carry case  
2 batteries  
Instruction manual  
Manufacturer's certificate

## Optional accessories:

Data Transfer Software  
"FixSoft", proving templates for spreadsheets, histograms and trend presentation.  
"ProSoft" for Pro version provides full data management.  
Soft carrying pouch.  
Infrared Adapters.

Probe ID	Type	Measuring Range	Tolerance $\pm(X+1\%$ of reading)	Resolution (or 0.2% of reading)	Minimum Measurement area	Minimum Curvature Radius	Minimum Substrate Thickness	Comments
SCPI0845	FN 0.2	0 ... 200 $\mu\text{m}$	0.7 $\mu\text{m}$	0.1 $\mu\text{m}$	5 x 5 mm	Convex 1.5mm Concave 5mm	F = 0.2mm N = 50 $\mu\text{m}$	
SCPI0749	FN 1.5	0 ... 1500 $\mu\text{m}$	1 $\mu\text{m}$	0.1 $\mu\text{m}$	5 x 5 mm	as above	as above	= integral probe version
SCPI0751	FN 1.5/90	0 ... 1500 $\mu\text{m}$	1 $\mu\text{m}$	0.1 $\mu\text{m}$	5 x 5 mm	as above	as above	Right Angle Headroom approx 13mm
SCPI0752	F 1.5	0 ... 1500 $\mu\text{m}$	1 $\mu\text{m}$	0.1 $\mu\text{m}$	5 x 5 mm	as above	0.2mm	
SCPI0755	N 1.5	0 ... 1500 $\mu\text{m}$	1 $\mu\text{m}$	0.1 $\mu\text{m}$	5 x 5 mm	as above	50 $\mu\text{m}$	
SCPI0750	FN 3.5	F = 0 ... 3500 $\mu\text{m}$ N = 0 ... 3000 $\mu\text{m}$	2 $\mu\text{m}$	1 $\mu\text{m}$	10 x 10 mm	Convex 5mm Concave 50mm	F = 0.5mm N = 0.1mm	
SCPI0753	F 3.5	0 ... 3500 $\mu\text{m}$	2 $\mu\text{m}$	1 $\mu\text{m}$	10 x 10 mm	as above	0.5mm	

All probes include: Zero plate (2 for FN models), 2 calibration foils, 1.2m cable, manufacturer's certificate

## Distributed by:

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